

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/811204	US-PGPUB	OR	OFF	2009/09/14 11:03
L2	1	L1 and purg\$3 and exhaust\$3 and accumulator\$2	US-PGPUB	OR	OFF	2009/09/14 11:03
L3	3493	429//13	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:04
L4	62	L3 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:04
L5	2779	429//17	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:04
L6	61	L5 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:04
L7	6	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in. and (fuel adj cell\$2) and purg\$3 and exhaust	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:04
L8	1	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in. and (fuel adj cell\$2) and purg\$3 and exhaust and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:05
L9	3	((valve same (fixed near orifice)) same (vent\$4 purge\$2 purging)) and (fixed near orifice) and (fuel adj cell\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:05

L10	0	((fuel adj cell\$2) and (purge near valve) and (fixed near3 orifice)).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:06
L11	1	((fuel adj cell\$2) and valve\$2 and (fixed near3 orifice)).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:07
L12	0	((fuel adj cell\$2) and valve\$2 and (fixed near3 orifice)).clm. and vent\$3 and exhaust\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:08
L13	1	((fuel adj cell\$2) and valve\$2 and (fixed near3 orifice)).clm. and exhaust\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:08
L14	1	((fuel adj cell\$2) and valve\$2 and (fixed near3 orifice)).clm. and exhaust\$4 and orifice	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/14 11:10
S1	1	10/811204	US-PGPUB	OR	OFF	2007/01/14 15:04
S2	1	S1 and purg\$3 and exhaust\$3 and accumulator\$2	US-PGPUB	OR	OFF	2007/01/06 20:19
S3	2449	429//13	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:02
S4	39	S3 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:17
S5	2109	429//17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 20:47
S6	39	S4 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 20:47
S7	41	S5 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:02
S8	2776	429//34	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:06
S9	29	S8 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:06
S10	1200	429//39	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:06

S11	11	S10 and purg\$3 and exhaust and ((storage near tank) accumulator)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:12
S12	7983	H01M008/00	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:14
S13	2	S12 and purg\$3 and exhaust and ((storage near tank) accumulator)	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:14
S14	27511	H01M008/04	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:16
S15	8	S14 and purg\$3 and exhaust and ((storage near tank) accumulator)	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:16
S16	12644	H01M002/02	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:17
S17	0	S16 and purg\$3 and exhaust and ((storage near tank) accumulator)	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:17
S18	2452	H01M002/14	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:17
S19	0	S18 and purg\$3 and exhaust and ((storage near tank) accumulator)	EPO; JPO; DERWENT	OR	OFF	2007/01/06 21:17
S20	17	((fuel adj cell\$2) and purg\$3 and exhaust and ((storage near tank) accumulator) and ((fuel near5 storage) near5 exhaust)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:22
S21	28	((fuel adj cell\$2) and purg\$3 and exhaust and ((storage near tank) accumulator) and (((fuel hydrogen) near5 storage) near5 exhaust)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:22
S22	49	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in.	US-PGPUB	OR	OFF	2007/01/06 21:44

S23	214	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:44
S24	5	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in. and (fuel adj cell\$2) and purg\$3 and exhaust	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:47
S25	1	((Chapman same Daryl) (Menon same Prem) (Masten same david) (Dill same Norm) (Schafer same Robert) (O'Connell same Daniel) (Moore same Barbara)).in. and (fuel adj cell\$2) and purg\$3 and exhaust and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 21:47
S26	1	"20040013919"	US-PGPUB	OR	OFF	2008/01/10 12:45
S27	0	S26 and "13"	USPAT	OR	OFF	2007/01/14 15:11
S28	1	S26 and "13"	US-PGPUB	OR	OFF	2007/01/14 15:11
S29	1	S26 and recyc\$4	US-PGPUB	OR	OFF	2007/01/14 15:12
S30	0	S26 and back	US-PGPUB	OR	OFF	2007/01/14 15:12
S31	0	S26 and recirc\$6	US-PGPUB	OR	OFF	2007/01/14 15:13
S32	1	S26 and sent	US-PGPUB	OR	OFF	2007/01/14 15:17
S33	1	"20050214617"	US-PGPUB	OR	OFF	2007/01/14 15:17
S34	1	S33 and combin\$4 and cathode	US-PGPUB	OR	OFF	2007/01/14 15:18
S35	1	S33 and (combin\$4 same cathode same input)	US-PGPUB	OR	OFF	2007/01/14 15:18

S36	1	"20040013919"	US-PGPUB	OR	OFF	2007/01/16 13:17
S37	1	S36 and purg\$4 and "6" and "11" and "10" and "14" and "12" and "40"	US-PGPUB	OR	OFF	2007/01/16 16:59
S38	1	S36 and purg\$4 and "6" and "11" and "10" and "14" and "12" and "40" and "35" and "32"	US-PGPUB	OR	OFF	2007/01/16 13:30
S39	1	S36 and stack and "33" and "31"	US-PGPUB	OR	OFF	2007/01/16 13:36
S40	1	S36 and "45"	US-PGPUB	OR	OFF	2007/01/16 13:36
S41	0	S36 and exhaust\$3	US-PGPUB	OR	OFF	2007/01/16 14:30
S42	1	S36 and "36"	US-PGPUB	OR	OFF	2007/01/16 14:32
S43	1	S36 and "36" and valve \$3	US-PGPUB	OR	OFF	2007/01/16 14:34
S44	1	S36 and "12" and hydrogen	US-PGPUB	OR	OFF	2007/01/16 14:35
S45	1	"4973528".pn.	USPAT	OR	OFF	2007/01/16 15:54
S46	1	S45 and "66" and "70" and "68"	USPAT	OR	OFF	2007/01/16 15:55
S47	0	S45 and "66" and "70" and "68" and hydrogen	USPAT	OR	OFF	2007/01/16 15:59
S48	385	(fuel adj cell\$2) and (hydrogen near5 (storage accumulator container containment)) and valve and (purg\$4 exhaust\$4)	USPAT	OR	OFF	2007/01/16 16:03
S49	993	(fuel adj cell\$2) and (hydrogen near5 (storage accumulator container containment)) and valve and (purg\$4 exhaust\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 16:03

S50	376	(fuel adj cell\$2) and (hydrogen near3 (storage accumulator container containment)) and (valve same (purg\$4 exhaust\$4) same hydrogen)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 16:07
S51	114	(fuel adj cell\$2) and (hydrogen near3 (storage accumulator container containment)) and (valve same (purg\$4 exhaust\$4) same hydrogen)) and (valve near (purg\$4 exhaust \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 16:27
S52	1	"6426158".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 11:13
S53	1	S52 and "14" and "14" and "30" and valve and purg\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 16:32
S54	1	S52 and "14" and "14" and "30" and valve and purg\$4 and cathode and (air oxygen)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/16 16:32
S55	0	S36 and (spring solenoid)	US-PGPUB	OR	OFF	2007/01/16 16:59
S56	1	S36 and valve	US-PGPUB	OR	OFF	2007/01/16 16:59
S57	1	"6426158".pn.	USPAT	OR	OFF	2007/01/17 11:13
S58	1	S57 and valve	USPAT	OR	OFF	2007/01/17 12:04
S59	1	S57 and valve\$2	USPAT	OR	OFF	2007/01/17 11:14
S60	2	(fuel adj cell\$2) and (spring near3 solenoid near3 valve\$3) and purg\$3 and valve\$3	USPAT	OR	OFF	2007/01/17 11:15
S61	5	(fuel adj cell\$2) and (spring near3 solenoid near3 valve\$3) and purg\$3 and valve\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/17 11:35
S62	1	"20030118882"	US-PGPUB	OR	OFF	2007/01/17 11:35
S63	1	S62 and solenoid and valve	US-PGPUB	OR	OFF	2007/01/17 11:35

S64	1	S57 and safe\$4	USPAT	OR	OFF	2007/01/17 11:46
S65	1	S57 and cathode and air and oxygen	USPAT	OR	OFF	2007/01/17 12:05
S66	1	S57 and cathode and air and oxygen and dilut \$4	USPAT	OR	OFF	2007/01/17 12:05
S67	1	"20040013919"	US-PGPUB	OR	OFF	2007/12/28 18:38
S68	1	"20040013919"	US-PGPUB	OR	OFF	2008/01/10 12:45
S69	1	"6426158".pn.	USPAT	OR	OFF	2008/01/10 12:45
S70	240	(fuel adj cell\$2) and (dilut\$4 same exhaust same (cathode anode) same (fuel hydrongen air oxygen))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/10 18:00
S71	267	(fuel adj cell\$2) and (dilut\$4 same exhaust \$3 same (cathode anode) same (fuel hydrongen air oxygen))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/10 18:00
S72	39	yamamoto.in. and (fuel adj cell\$2) and dilut\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/16 14:58
S73	32	yamamoto.in. and (fuel adj cell\$2) and dilut\$4	EPO; JPO; DERWENT	OR	OFF	2008/01/16 15:17
S74	596	(fuel adj cell\$2) and dilut\$4	EPO; JPO; DERWENT	OR	OFF	2008/01/16 15:00
S75	54	(fuel adj cell\$2) and dilut\$4 and cathode and air and fuel	EPO; JPO; DERWENT	OR	OFF	2008/01/16 15:01
S76	217	(fuel adj cell\$2) and dilut\$4 and air and fuel	EPO; JPO; DERWENT	OR	OFF	2008/01/16 15:01
S77	1	"20020142200"	US-PGPUB	OR	OFF	2008/01/16 15:17
S78	105	(fuel adj cell\$2) and ((purg\$3 near valve\$2) same hydrogen same exhaust\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/23 19:49
S79	83	(fuel adj cell\$2) and ((purg\$3 near valve\$2) same hydrogen same (accumulat\$3 separator))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/23 19:51

S80	185	(fuel adj cell\$2) and ((purg\$3 near2 valve \$2) same (hydrogen fuel) same (accumulat\$3 separat\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/23 20:05
S81	1	"6541141".pn.	USPAT	OR	OFF	2008/01/24 10:13
S82	1	S81 and "12" and "20" and "26"	USPAT	OR	OFF	2008/01/24 10:14
S83	1	S81 and "12" and "20" and "26" and "18" and valve\$2	USPAT	OR	OFF	2008/01/24 10:14
S84	1	"6406895".pn.	USPAT	OR	OFF	2008/01/24 10:15
S85	1	"6406805".pn.	USPAT	OR	OFF	2008/01/24 10:16
S86	1	S85 and "26" and valve	USPAT	OR	OFF	2008/01/24 10:16
S87	1	S85 and "26" and valve and "28"	USPAT	OR	OFF	2008/01/24 10:16
S88	1	"20030118882"	US-PGPUB	OR	OFF	2008/01/24 11:24
S89	1	(henry near voss).in. and valve and (fuel adj cell\$2) and solenoid	US-PGPUB	OR	OFF	2008/01/24 11:25
S90	2	(henry near voss).in. and valve and (fuel adj cell\$2) and solenoid	US-PGPUB; USPAT	OR	OFF	2008/01/24 11:25
S91	33	ballard.as. and (fuel adj cell\$2) and (solenoid near valve\$2)	US-PGPUB; USPAT	OR	OFF	2008/01/24 11:36
S92	0	ballard.as. and (fuel adj cell\$2) and (solenoid near valve\$2) and (spring near biased)	US-PGPUB; USPAT	OR	OFF	2008/01/24 11:37
S93	33	ballard.as. and (fuel adj cell\$2) and (solenoid near valve\$2)	US-PGPUB; USPAT	OR	OFF	2008/01/24 11:37
S94	1762	((solenoid near valve \$2) same (spring near biased))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:39
S95	281	((solenoid near valve \$2) near5 (spring near biased))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:40
S96	4	((solenoid near valve \$2) near5 (spring near biased)) and (fuel adj cell\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:40



S97	28	((solenoid near valve \$2) near5 (spring near biased)) same (advantag\$4 fast\$4 benefi\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:42
S98	29	((solenoid near valve \$2) near5 (spring near biased)) same (advantag\$4 fast\$4 improv\$4 benefi\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:42
S99	63	((solenoid near3 valve \$2) near5 (spring near biased)) same (advantag\$4 fast\$4 improv\$4 benefi\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:43
S100	63	((solenoid near3 valve \$2) near5 (spring near biased)) same (advantag\$4 fast\$4 improv\$4 benefi\$4)) and solenoid and biased	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 11:44
S101	1	10/811204	US-PGPUB	OR	OFF	2008/07/16 14:42
S102	1	S101 and plurality	US-PGPUB	OR	OFF	2008/07/16 15:09
S103	1	S101 and plurality and more and orifice\$2	US-PGPUB	OR	ON	2008/07/16 15:09
S104	62	(valve near (fixed near2 orifice))	US-PGPUB	OR	OFF	2009/02/27 13:10
S105	367	(valve near (fixed near2 orifice))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:10
S106	94	(valve near (fixed near2 orifice)) and (fuel ajd cell\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:10
S107	9	(valve near (fixed near2 orifice)) and (fuel ajd cell\$2) and purg\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:10
S108	330	(valve near3 (fixed near2 orifice)) and (fuel ajd cell\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:12
S109	21	(valve near3 (fixed near2 orifice)) and (fuel ajd cell\$2) and (anode\$2 cathode\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:12

S110	21	(valve near3 (fixed near2 orifice)) and (fuel adj cell\$2) and (anode\$2 cathode\$2) and (fixed near2 orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:14
S111	0	((purge near valve\$2) same (fixed near2 orifice)) and (fuel adj cell\$2) and electrolyte and (fixed near2 orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:23
S112	7	((purge near valve\$2) same (fixed near2 orifice)) and (fuel adj cell\$2) and (fixed near2 orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 13:23
S113	3	((purge near valve) near3 (fixed near orifice))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:15
S114	1012	(valve near3 (fixed near orifice))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:16
S115	14	(valve near3 (fixed near orifice)) and (fuel adj cell\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:16
S116	14	(valve near3 (fixed near orifice)) and (fuel adj cell\$2) and (fixed near orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:23
S117	1012	(valve near3 (fixed near orifice)) and (fixed near orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:26
S118	17	((valve near3 (fixed near orifice)) same (purge\$2 purging)) and (fixed near orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:27
S119	526	((valve same (fixed near orifice)) same (vent\$4 purge\$2 purging)) and (fixed near orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:49
S120	3	((valve same (fixed near orifice)) same (vent\$4 purge\$2 purging)) and (fixed near orifice) and (fuel adj cell\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:49

S121	526	((valve same (fixed near orifice)) same (vent\$4 purge\$2 purging)) and (fixed near orifice)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:49
S122	1	"6003363".pn.	USPAT	OR	OFF	2009/09/11 12:24

9/14/2009 11:12:28 AM

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